

IN THE CLAIMS:

This listing will replace all prior versions, and listings, of all the claims in the application.

Listing of Claims:

Claims 1-12 – (canceled)

13. (currently amended) An information recording method of recording record information comprising a plurality of ECC blocks, each of the ECC blocks comprising a plurality of data units to record the record information, on a recording medium, the method comprising the steps of:

recording first record information ~~in which dummy information is not included;~~

recording dummy information up to a part of ~~a data unit of~~ a recording area for recording a next ECC block subsequent to last ECC block included in the first record information after the last ECC block is recorded; and

starting second recording for recording second record information from an intermediate at a predetermined position of the next ECC block by using a part of the second record information ~~within the data unit which the dummy information is recorded.~~

Claims 14 and 15 – (canceled)

16. (original) The method according to claim 13, wherein the second recording is started with second record information.

17. (currently amended) An information recording apparatus which records record information comprising a plurality of ECC blocks, each of the ECC blocks comprising a plurality of data units to record the record information, on a recording medium, the apparatus comprising:

a recording device which records first record information ~~in which dummy information is not included;~~

a dummy information recording device which records dummy information up to a part of ~~a data unit of~~ a recording area for recording a next ECC block subsequent to last ECC block included in the first record information after the last ECC block is recorded; and

wherein the recording device starts second recording for recording second record information from an intermediate at a predetermined position of the next ECC block by using a part of the second record information ~~within the data unit which the dummy information is recorded.~~

Claims 18 and 19 – (canceled)

20. (original) The apparatus according to claim 17, wherein the second recording is started with second record information.

21. (currently amended) An information recording apparatus which records

record information comprising a plurality of ECC blocks, each of the ECC blocks comprising a plurality of data units to record the record information, on a recording medium in accordance with following steps:

recording first record information ~~in which dummy information is not included;~~

recording dummy information up to a part of ~~a data unit of~~ a recording area for recording a next ECC block subsequent to last ECC block included in the record information after the last ECC block is recorded; and

starting second recording for recording second record information from an intermediate ~~at a predetermined~~ position of the next ECC block by using a part of the second record information.

22. (original) The method according to claim 13, wherein the data unit which the dummy information is recorded is a first data unit of the next ECC block.

23. (original) The apparatus according to claim 17, wherein the data unit which the dummy information is recorded is a first data unit of the next ECC block.

24. (currently amended) An information recording method of recording record information comprising a plurality of information units based on an error correction, on a recording medium, the method comprising the steps of:

recording first record information ~~in which dummy information is not included;~~

recording dummy information up to a part of a recording area for recording a next information unit subsequent to last information unit included in the first record information after

the last ECC block is recorded; and

starting second recording for recording second record information from an intermediate at a predetermined position of the next information unit by using a part of the second record information within the next information unit which the dummy information is recorded.

25. (original) The method according to claim 24, wherein each of the information units comprises a plurality of data units to record the record information, and

the second recording is started at the predetermined position within the data unit which the dummy information is recorded.

26. (original) The method according to claim 25, wherein the data unit which the dummy information is recorded is a first data unit of the next information unit.

27. (original) The method according to claim 24, wherein each of the information units has an ID information at a head position, and

the dummy information is recorded behind the ID information.

28. (currently amended) An information recording apparatus which records record information comprising a plurality of information units based on an error correction, on a recording medium, the apparatus comprising:

a recording device which records first record information ~~in which dummy information is not included;~~

a dummy information recording device which records dummy information up to a part of a recording area for recording a next information unit subsequent to last information unit included in the first record information after the last ECC block is recorded; and

wherein the recording device starts second recording for recording second record information from an intermediate ~~at a predetermined position of the next information unit by using a part of the second record information within the next information unit which the dummy information is recorded.~~

29. (original) The apparatus according to claim 28, wherein each of the information units comprises a plurality of data units to record the record information, and

the second recording is started at the predetermined position within the data unit which the dummy information is recorded.

30. (original) The apparatus according to claim 29, wherein the data unit which the dummy information is recorded is a first data unit of the next information unit.

31. (original) The apparatus according to claim 28, wherein each of the information units has an ID information at a head position, and

the dummy information is recorded behind the ID information.

32. (original) The method according to claim 13, wherein the recording medium is write once disc.

33. (original) The apparatus according to claim 17, wherein the recording medium is write once disc.

34. (original) The apparatus according to claim 21, wherein the recording medium is write once disc.

35. (original) The method according to claim 24, wherein the recording medium is write once disc.

36. (original) The apparatus according to claim 28, wherein the recording medium is write once disc.

37. (currently amended) An information record medium recording record information comprising a plurality of ECC blocks, each of the ECC blocks comprising a plurality of data units to record the record information:

first record information is recorded ~~in which dummy information is not included;~~

dummy information is recorded up to a part of ~~a data unit of~~ a recording area for recording a next ECC block subsequent to last ECC block included in the first record information after the last ECC block is recorded; and

second recording for recording second record information is ~~stated~~ started from an intermediate ~~a predetermined~~ position of the next ECC block by using a part of the second record information ~~within the data unit which the dummy information is recorded.~~

Claims 38 and 39 – (canceled)

40. (original) The information record medium according to claim 37, wherein the second recording is started with second record information.

41. (original) The information record medium according to claim 37, wherein the data unit which the dummy information is recorded is a first data unit of the next ECC block.

42. (original) The information record medium according to claim 37, wherein the recording medium is write once disc.

43. (New) The method according to claim 13, wherein each of the ECC blocks is composed of a plurality of information unit including ID part and data part, the dummy information is recorded at least in a data group having the ID part, and the second recording is started from a back position of the ID part of the data group.

44. (New) The method according to claim 13, wherein the second recording is started from a predetermined position within the data group recording a last part of the dummy information.

45. (New) The method according to claim 44, wherein the data group to which the second recording is started, is the second from a head position of the ECC block.

46. (New) The method according to claim 13, wherein each of the ECC blocks is composed of a plurality of record units, each of the record units is composed of a plurality of the data units, and

an end position of the first recording and a start position of the second recording exist within the first record unit.

47. (New) The apparatus according to claim 17, wherein each of the ECC blocks is composed of a plurality of information unit including ID part and data part, the dummy information is recorded at least in a data group having the ID part, and the second recording is started from a back position of the ID part of the data group.

48. (New) The apparatus according to claim 17, wherein the second recording is started from a predetermined position within the data group recording a last part of the dummy information.

49. (New) The apparatus according to claim 48, wherein the data group to which the second recording is started, is the second from a head position of the ECC block.

50. (New) The apparatus according to claim 17, wherein each of the ECC blocks is composed of a plurality of record units, each of the record units is composed of a plurality of the data units, and

an end position of the first recording and a start position of the second recording exist within the first record unit.



51. (New) The apparatus according to claim 21, wherein each of the ECC blocks is composed of a plurality of information unit including ID part and data part, the dummy information is recorded at least in a data group having the ID part, and the second recording is started from a back position of the ID part of the data group.

52. (New) The apparatus according to claim 21, wherein the second recording is started from a predetermined position within the data group recording a last part of the dummy information.

53. (New) The apparatus according to claim 52, wherein the data group to which the second recording is started, is the second from a head position of the ECC block.

54. (New) The apparatus according to claim 21, wherein each of the ECC blocks is composed of a plurality of record units, each of the record units is composed of a plurality of the data units, and

an end position of the first recording and a start position of the second recording exist within the first record unit.

55. (New) The method according to claim 24, wherein each of the information units is composed of a plurality of second information unit including ID part and data part, the dummy information is recorded at least in a data group having the ID part, and the second recording is started from a back position of the ID part of the data group.

56. (New) The method according to claim 24, wherein the second recording is started from a predetermined position within the data group recording a last part of the dummy information.

57. (New) The method according to claim 56, wherein the data group to which the second recording is started, is the second from a head position of the information unit.

58. (New) The method according to claim 24, wherein each of the information units is composed of a plurality of record units, each of the record units is composed of a plurality of the data units, and

an end position of the first recording and a start position of the second recording exist within the first record unit.

59. (New) The apparatus according to claim 28, wherein each of the information units is composed of a plurality of second information unit including ID part and data part, the dummy information is recorded at least in a data group having the ID part, and the second recording is started from a back position of the ID part of the data group.

60. (New) The apparatus according to claim 28, wherein the second recording is started from a predetermined position within the data group recording a last part of the dummy information.

61. (New) The apparatus according to claim 60, wherein the data group to which the second recording is started, is the second from a head position of the information unit.

62. (New) The apparatus according to claim 28, wherein each of the information units is composed of a plurality of record units, each of the record units is composed of a plurality of the data units, and

an end position of the first recording and a start position of the second recording exist within the first record unit.

63. (New) The information record medium according to claim 37, wherein each of the ECC blocks is composed of a plurality of information unit including ID part and data part, the dummy information is recorded at least in a data group having the ID part, and the second recording is started from a back position of the ID part of the data group.

64. (New) The information record medium according to claim 37, wherein the second recording is started from a predetermined position within the data group recording a last part of the dummy information.

65. (New) The information record medium according to claim 64, wherein the data group to which the second recording is started, is the second from a head position of the ECC block.

66. (New) The information record medium according to claim 37, wherein each of the ECC blocks is composed of a plurality of record units, each of the record units is composed of a plurality of the data units, and

an end position of the first recording and a start position of the second recording exist within the first record unit.